

For Research Use Only

CoraLite® Plus 488-conjugated Glutaredoxin 5 Polyclonal antibody

Catalog Number: CL488-18884



Basic Information

Catalog Number:

CL488-18884

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13445

GenBank Accession Number:

BC023528

GeneID (NCBI):

51218

UNIPROT ID:

Q86SX6

Full Name:

glutaredoxin 5

Calculated MW:

157 aa, 17 kDa

Observed MW:

10-15 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

Glutaredoxin 5 (GLRX5) is an essential protein engaging in mitochondrial iron-sulfur cluster (ISC) transfers to iron regulatory protein (IRP), m-aconitase, and ferrochelatase. GLRX5 deficiency impairs heme biosynthesis, causing sideroblastic anemia and variant nonketotic hyperglycinemia in humans. Mutations of GLRX5 lead to distinct effects on downstream ISC biosynthesis and maturation.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

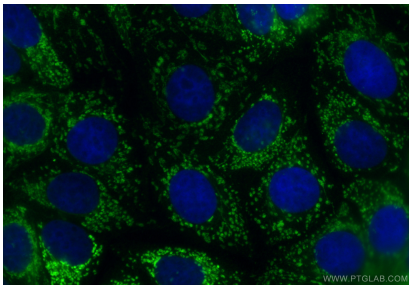
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 Glutaredoxin 5 antibody (CL488-18884) at dilution of 1:200.